

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-----------------|---|------------------|---------|---------------------|
| S1 | 610 | (405/231).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/10 13:34 |
| S2 | 719 | (405/286).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/10 14:36 |
| S3 | 1396 | (405/284).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 08:36 |
| S4 | 719 | (405/286).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 08:37 |
| S5 | 1091 | S3 not S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 08:37 |

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| S6 | 209 | (405/285).ccs. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 09:44 |
| S7 | 168 | S6 not S3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 09:44 |
| S8 | 1393 | (405/232).ccs. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 09:57 |
| S9 | 610 | (405/231).ccs. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 09:57 |
| S10 | 1329 | S8 not S9 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 09:57 |
| S11 | 156 | (405/281).ccs. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 11:36 |
| S12 | 235 | (405/279).ccs. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 12:10 |

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| S13 | 235 | (405/275).cccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 12:24 |
| S14 | 42 | (pile with concrete with waterproof) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 13:03 |
| S15 | 2 | (pile with phc with waterproof) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 13:09 |
| S16 | 5 | ((concrete adj pile) with ((metal steel) near support)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 13:59 |
| S17 | 13 | ("3464215" "3886754" "3975917" "4540316" "4707956" "4832533" "5118223" "5669736").PN. OR ("6659691").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/14 14:04 |
| S18 | 39 | ((concrete adj pile) with ((metal steel) near (brace rod))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 14:14 |
| S19 | 23 | ((concrete adj pile) with ((metal steel) near connect\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 14:19 |

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| S20 | 32 | ((concrete adj pile) with corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/14 14:59 |
| S21 | 11 | ((concrete adj pile) with ((metal steel) near (cap top))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 07:20 |
| S22 | 5 | ("3,422,360").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/09/15 07:24 |
| S23 | 5 | ("3422360").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/09/15 07:25 |
| S24 | 19 | ((concrete adj pile) same ((metal steel) near (cap top))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 07:31 |
| S25 | 8 | S24 not S21 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 07:31 |
| S26 | 16 | ((concrete same pile same wall) same ((metal steel) near (cap top))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 07:32 |

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| S27 | 24 | ((concrete same pile same connect\$3) same ((metal steel) near (cap top))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 08:29 |
| S28 | 45 | (pile with phc with steel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 08:52 |
| S29 | 473 | (405/231,286,284,285,232,281,279,275).ccls. and cap | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:00 |
| S30 | 159 | (405/231,286,284,285,232,281,279,275).ccls. and (connect\$3 same cap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:01 |
| S31 | 19 | (405/231,286,284,285,232,281,279,275).ccls. and (connect\$3 same ((metal steel) with cap)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:11 |
| S36 | 9 | (kim adj kwang-man).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:19 |
| S37 | 4 | (yun adj sang-mun).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:21 |

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| S38 | 18 | (pile with phc with (cap top)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:36 |
| S39 | 4 | ((concrete same pile same connect\$3) same ((metal steel) near cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:39 |
| S40 | 10 | ((concrete same pile same wall) same ((metal steel) near cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:40 |
| S41 | 6 | ((concrete adj pile) with ((metal steel) near cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:47 |
| S42 | 5 | (pile with phc with cover) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:52 |
| S43 | 0 | (pile with (connection adj bar) with cover) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:56 |
| S44 | 0 | (pile same ((connection adj bar) with cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:56 |

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|-----|-----|--|---|----|----|---------------------|
| S45 | 0 | (pile and ((connection adj bar) with cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:56 |
| S46 | 0 | ((retaining adj wall) same ((connection adj bar) with cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:56 |
| S47 | 0 | ((retaining adj wall) and ((connection adj bar) with cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:57 |
| S48 | 0 | ((retaining adj wall with concrete)) same ((connection adj bar) with cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:57 |
| S49 | 0 | ((wall with concrete) same ((connection adj bar) with cover)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:57 |
| S50 | 22 | ((wall with concrete) same (connection adj bar)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 09:58 |
| S51 | 533 | ((wall with concrete) same (connection with steel)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 10:24 |

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|-----|----|--|---|----|-----|---------------------|
| S52 | 24 | ((retaining adj wall) with concrete) same (connection with steel)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 10:25 |
| S53 | 16 | ((concrete same pile same wall) same ((metal steel) near (cap top))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/15 12:01 |
| S54 | 2 | ("20030098156").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/09/15 16:10 |
| S55 | 2 | ("4583595").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/09/15 16:12 |
| S56 | 2 | JP-04306324-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/16 11:42 |
| S57 | 0 | JP-6240660-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/16 11:45 |
| S58 | 0 | JP-7042696-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/09/16 11:45 |

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| S59 | 54 | (405/231,286,284,285,232,281,279,275).ccls. and (@PD>"20090820") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/25 14:55 |
| S60 | 0 | (heindel adj richard).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/25 15:08 |
| S61 | 80 | (heindl adj richard).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/25 15:08 |
| S62 | 60 | (heindl adj richard).in. and pile | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/25 15:08 |
| S63 | 52 | (heindl adj richard).in. and pile | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 15:08 |
| S64 | 3 | ("2089763").URPN. | USPAT | OR | ON | 2010/03/25 15:22 |
| S65 | 0 | ("942142").URPN. | USPAT | OR | ON | 2010/03/25 15:23 |
| S66 | 6 | (kaneko adj sukeaki).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/25 15:31 |

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| S67 | 276 | (pile with concrete with pipe with (bar rod)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/26 08:47 |
| S68 | 25 | (pile with concrete with pipe with connector) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/26 09:03 |
| S69 | 86 | (pile with concrete with pipe with connection) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/26 09:06 |
| S70 | 84 | S69 not S68 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2010/03/26 09:06 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------------|------------------|---------|------------------|
| L1 | 1 | (pile and pipe and (connection adj bar) and (elongated near binding near steel)). clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:28 |
| L2 | 1 | (pile and (connection adj pipe) and (elongated near binding near steel)). clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:29 |
| L3 | 1 | (pile and pipe and (connection adj bar) and (elongated near binding)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:29 |
| L4 | 1 | (pile and (connection adj bar) and pipe). clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:30 |

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| L5 | 1 | (pile and (connection adj body) and pipe).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:31 |
| L6 | 1 | ((PHC adj pile) and connection and pipe).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:32 |
| L7 | 1 | ((PHC adj pile) and connection).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:32 |
| L9 | 1 | (pile and pipe and (elongated near binding near steel)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/30 10:33 |

3/ 30/ 2010 10:33:59 AM

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